

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 March 2004 (18.03.2004)

PCT

(10) International Publication Number  
**WO 2004/023093 A3**

- (51) International Patent Classification<sup>7</sup>: **G01N 33/53**, (74) Agents: NORTON, Gerard, P. et al.; Lerner, David, Littenberg, Krumholz & Mentlik, LLP, 600 South Avenue West, Westfield, NY 07090 (US).  
C12Q 1/37
- (21) International Application Number: PCT/US2003/027457 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 4 September 2003 (04.09.2003) (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/407,684 4 September 2002 (04.09.2002) US  
60/474,607 2 June 2003 (02.06.2003) US  
60/474,608 2 June 2003 (02.06.2003) US
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- Published:  
— with international search report
- (88) Date of publication of the international search report:  
10 September 2004

[Continued on next page]

(54) Title: TARGET AND METHOD FOR INHIBITION OF BACTERIAL RNA POLYMERASE

RPOC_ECOLI (736)	QIRQLAGMRGLM	(779)	ARK
RPOC_HAEIN (737)	QIRQLAGMRGLM	(780)	ARK
RPOC_VIBCH (738)	QIRQLAGMRGLM	(779)	ARK
RPOC_PSEAE (736)	QIRQLAGMRGLM	(779)	ARK
RPOC_TREPA (703)	QIRQLAGMRGLM	(746)	ARK
RPOC_BORBU (699)	QIRQLAGMRGLM	(742)	ARK
RPOC_XYLFA (759)	QIRQLAAMRGLM	(802)	ARK
RPOC_CAMJE (734)	QISQLAAMRGLM	(777)	ARK
RPOC_NEIMA (738)	QIKQLSUNRGLM	(781)	ARK
RPOC_RICPR (730)	QIKQLGCMRGLM	(773)	MRK
RPOC_THEMA (1010)	QVKQLAGIRGLM	(1072)	ARK
RPOC_CHLTR (736)	QIKQLGALRGLM	(779)	ARK
RPOC_MYCPN (820)	NFTQLFGMRGLM	(874)	ARK
RPOC_BACSU (740)	NFTQLAGMRGLM	(783)	ARK
RPOC_STAAU (744)	NFTQLAGMRGLM	(787)	ARK
RPOC_MYCTU (813)	QIRTLAGMRGLM	(856)	ARK
RPOC_SYNY3 (763)	QVRQLVGMRLM	(806)	ARK
RPOC_AQUAE (850)	QIRQLAGMRGLM	(893)	ARK
RPOC_DEIRA (1052)	QIRQLAGMRGLM	(1095)	ARK
RPOC_THER (1034)	QIRQLCGLRGLM	(1077)	ARK
RPOC_THEAQ (1034)	QIRQLCGMRGLM	(1077)	ARK
RPAT_HUMAN (808)	NTMQISCLLQQL	(971)	GRE
RPB1_HUMAN (780)	N1SOVIADVQQ	(843)	GRE
RPC1_HUMAN (791)	N1SQMIACVQQ	(854)	GRE

Bacterial RNA polymerase

Human RNA polymerases I, II, and III

(57) Abstract: This invention discloses targets and methods for specific and inhibition of RNAP from bacterial. Figure (I) illustrate a sequence alignment for the target acid residues (736-747) and (779-781) of the B' subunit of RNAP from microorganism and human bacteria.

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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/27457

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 33/53;C12Q 1/37

US CL : 435/7.1, 4, 23, 24

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/7.1, 4, 23, 24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WEST/NPL :MccJ25 analog, inhibits bacterial RNAP

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DELGADO et al. Escherichia coli RNA polymerase. J.Bacteriology. 2001. Vol 183 No 15, abstract only.	1-2

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

22 March 2004 (22.03.2004)

Date of mailing of the international search report

08 JUN 2004

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